

09403600 KANAB CREEK NEAR KANAB, UT

LOCATION.--Lat 37°06'02", long 112°32'50", in NE^{1/4}NE^{1/4}SW^{1/4} sec. 5, T. 43 S., R. 6 W., Kane County, Hydrologic Unit 15010003, on left bank at upstream side of bridge on U.S. Highway 89, 300 ft upstream from Tiny Canyon and 3.5 mi north of Kanab.

DRAINAGE AREA.--198 mi².

PERIOD OF RECORD.--July 1959 to September 1968 (peaks only). January 1979 to current year

REVISED RECORDS.--WDR UT-98-1: 1997, daily values.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 5,060 ft above NGVD of 1929, from topographic map. A crest-stage gage from July 22, 1959 to September 30, 1968 at different datum. July 6, 1979 to September 18, 1984 water-stage recorder at same site, different datum.

REMARKS.--Records poor. Several diversions above station for irrigation and stock watering.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,030 ft³/s, Sep 8, 1961, gage height, 8.39 ft, from rating curve extended above 31 ft³/s on basis of slope area measurement at gage height, 7.09 ft; minimum daily discharge, 2.9 ft³/s, Jul 27, 2000.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 28	1200	*14	*5.68				

Minimum daily discharge, 3.3 ft³/s, Jan 23, Jun 1, Aug 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.7	4.5	6.6	6.1	e3.9	6.3	10	7.8	3.3	5.2	4.5	4.2
2	5.5	4.6	6.2	6.2	e4.0	7.7	9.2	7.8	4.0	5.5	5.0	4.4
3	5.7	4.6	5.8	6.4	e4.6	8.7	11	7.3	5.8	6.0	5.6	4.5
4	5.7	4.7	6.5	6.4	5.0	6.8	9.4	6.5	6.3	5.8	5.0	4.5
5	5.7	4.7	6.0	6.2	5.6	6.7	9.1	6.1	6.4	5.9	4.8	4.4
6	5.6	4.7	5.9	6.0	6.1	6.1	7.7	5.8	5.4	5.5	4.9	5.0
7	5.8	4.8	5.7	5.6	5.7	6.5	7.1	6.8	5.7	5.9	4.8	7.1
8	5.8	4.9	5.6	5.8	5.4	7.1	6.9	7.8	5.0	5.9	4.7	6.2
9	5.5	5.0	5.7	5.7	5.1	7.5	7.4	7.8	4.7	6.3	4.3	5.5
10	5.2	4.7	6.1	5.8	5.6	7.8	7.6	8.3	5.4	6.0	3.8	5.8
11	5.3	4.5	6.0	5.7	5.1	7.5	8.6	8.6	5.6	5.6	3.4	5.8
12	5.4	4.5	6.1	5.6	4.6	7.8	7.7	8.9	5.1	5.9	3.6	5.5
13	5.4	4.9	e5.8	5.8	5.1	8.2	7.9	8.7	4.9	5.9	3.5	4.5
14	5.4	4.9	e6.1	5.5	4.2	9.9	7.6	8.4	4.7	5.9	3.7	4.5
15	5.3	4.7	e6.0	4.9	4.5	8.6	7.3	7.4	5.1	6.5	3.8	3.8
16	5.2	4.6	e5.8	5.0	5.2	10	6.9	6.4	4.7	7.2	3.9	4.7
17	5.1	4.5	e5.9	5.6	5.0	11	7.7	5.9	4.9	7.4	3.5	4.6
18	4.8	4.7	e6.0	5.6	5.0	10	7.3	5.5	4.9	6.9	4.0	4.8
19	4.8	5.0	e6.1	e5.4	5.2	9.1	7.2	5.9	4.8	7.4	3.9	4.6
20	4.7	5.3	e6.5	5.7	6.4	11	7.8	7.6	5.0	7.9	3.3	4.7
21	4.8	5.3	e6.3	4.3	5.8	9.3	8.3	8.4	5.4	7.4	3.9	4.6
22	4.9	5.3	e6.1	3.6	6.3	9.8	7.1	8.3	5.6	6.7	4.1	4.4
23	4.7	5.5	e6.0	e3.3	7.1	11	6.3	10	5.9	5.6	4.2	4.4
24	4.5	6.3	e5.5	e3.6	7.2	11	6.5	10	6.3	6.4	4.0	4.4
25	5.0	7.5	e5.4	e3.9	8.0	10	6.3	9.5	5.8	6.6	3.7	4.3
26	4.7	7.2	e5.3	4.4	7.3	9.3	5.8	9.1	5.8	6.3	4.1	4.0
27	4.6	7.0	e5.3	5.1	7.7	11	5.9	8.9	5.7	5.6	4.3	4.1
28	4.5	7.3	e5.8	4.2	7.3	9.8	7.1	8.2	5.5	5.3	4.4	4.1
29	4.5	7.1	e6.2	4.4	---	9.4	8.0	5.8	5.5	5.2	4.1	4.6
30	4.5	6.7	6.6	e4.0	---	9.4	6.9	4.2	5.6	5.0	4.3	5.1
31	4.3	---	6.2	e3.9	---	9.4	---	3.6	---	4.7	4.6	--
TOTAL	158.6	160.0	185.1	159.7	158.0	273.7	229.6	231.3	158.8	189.4	129.7	143.1
MEAN	5.116	5.333	5.971	5.152	5.643	8.829	7.653	7.461	5.293	6.110	4.184	4.770
MAX	5.8	7.5	6.6	6.4	8.0	11	11	10	6.4	7.9	5.6	7.1
MIN	4.3	4.5	5.3	3.3	3.9	6.1	5.8	3.6	3.3	4.7	3.3	3.8
AC-FT	315	317	367	317	313	543	455	459	315	376	257	284

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2002, BY WATER YEAR (WY)

WY	MEAN	10.43	9.956	10.80	12.36	15.91	23.83	22.39	9.655	6.963	7.112	8.228	9.971
1982	MAX	25.7	15.2	21.7	27.9	45.1	72.4	132	27.6	12.1	13.8	16.5	28.1
1988	MIN	5.12	5.33	5.31	5.15	5.64	8.83	6.81	5.62	4.36	3.90	4.07	4.77
1990	AC-FT	302	2002	1990	2002	2002	2002	1990	2001	1986	2000	1995	2002

KANAB CREEK BASIN

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SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1980 - 2002
ANNUAL TOTAL	2821.7	2177.0	12.27
ANNUAL MEAN	7.731	5.964	28.4 1980
HIGHEST ANNUAL MEAN			5.96 2002
LOWEST ANNUAL MEAN			3.3 Jan 23
HIGHEST DAILY MEAN	54 Sep 17	11 Mar 17	354 Apr 6 1980
LOWEST DAILY MEAN	3.2 Aug 5	3.3 Jan 23	2.9 Jul 27 2000
ANNUAL SEVEN-DAY MINIMUM	3.5 Jul 30	3.6 Aug 11	3.0 Jun 13 1986
ANNUAL RUNOFF (AC-FT)	5600	4320	8890
10 PERCENT EXCEEDS	16	8.3	19
50 PERCENT EXCEEDS	5.7	5.7	8.9
90 PERCENT EXCEEDS	4.3	4.2	5.3

e Estimated

